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Fig. 1

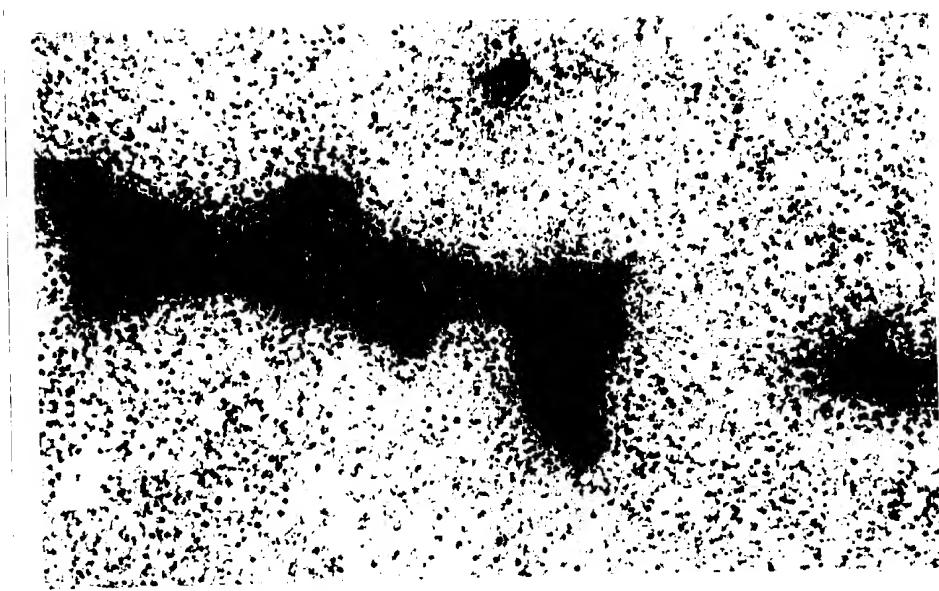


Fig. 2

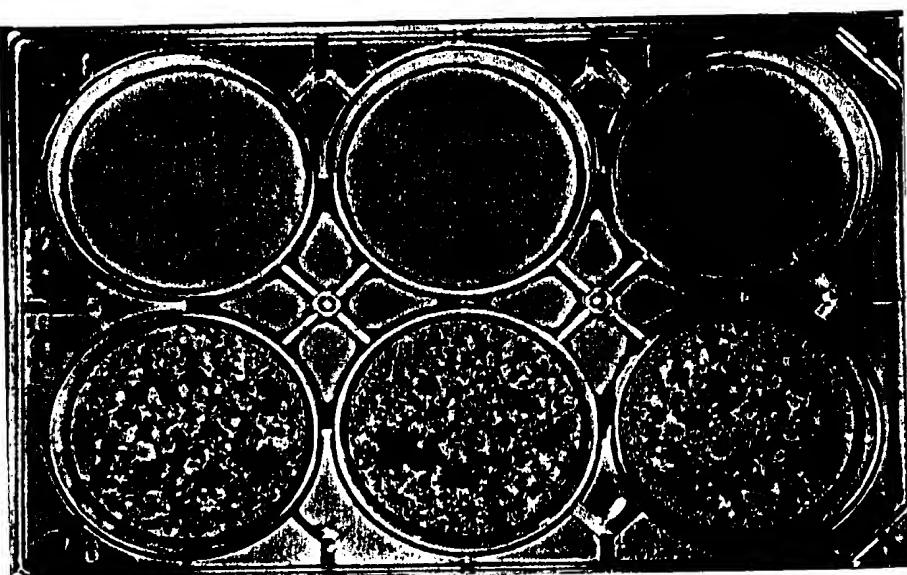


Fig. 3

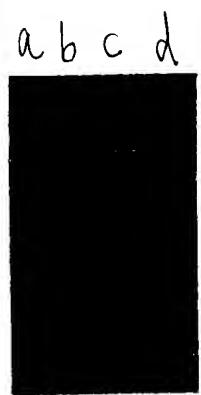


Fig. 4

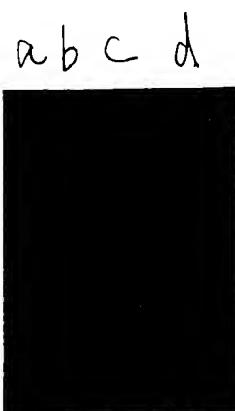


Fig. 5



Fig. 6

Type II collagen : 5'ACACAAATCCATTGCGAAC3'. 5'AGATAGTTCCCTGTCCTCCGCC3'

Type X collagen : 5'CAGCTGGCATAGCAACTAAGG3'. 5'GTGGTTAGCACTGACAAGCG3'

Aggrecan core protein : 5'TGTTCAGTGGAACAGCAACC3'. 5'AGATTGTTCACTGACGTCCACC3'

PPAR- γ 2 : 5' CTGATGCCACTGCCTATGAGC 3' 5' CATGAGGCCCTGTTAGAGC 3'

Fig. 7



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Fig. 8



Fig. 9

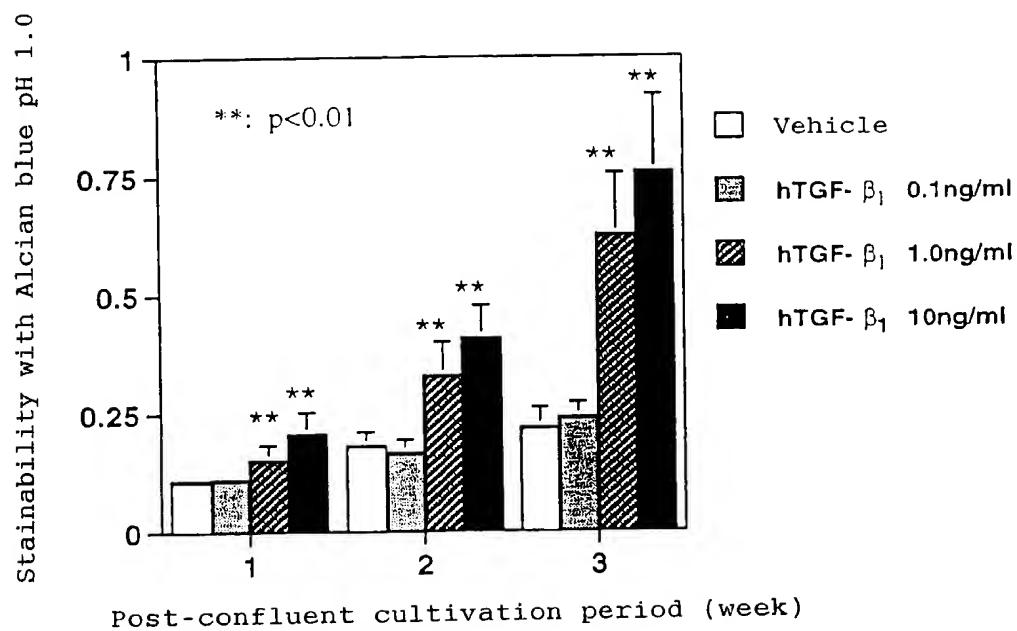


Fig. 10

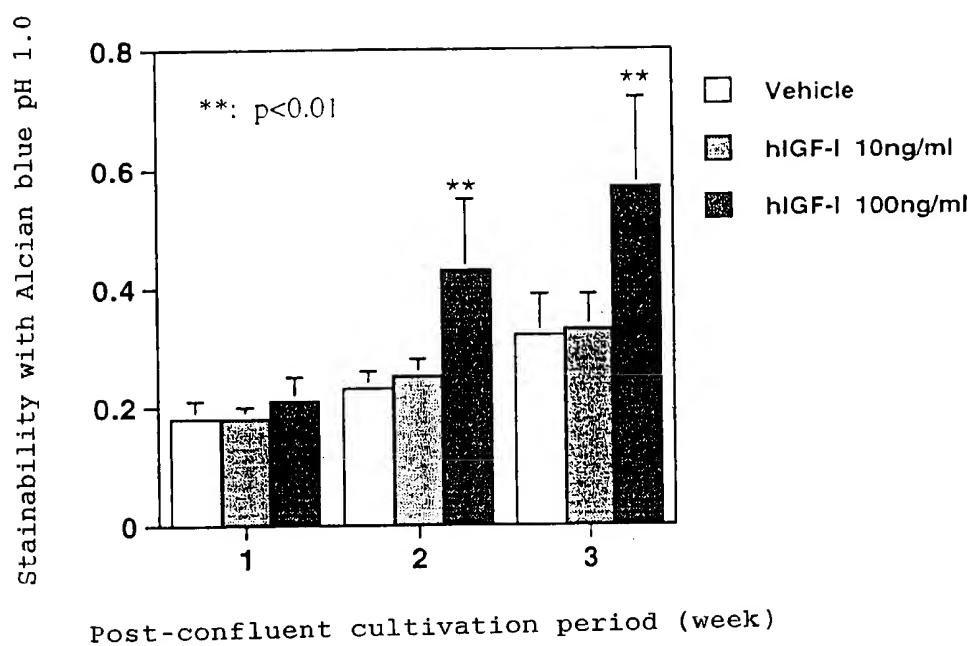


Fig. 11

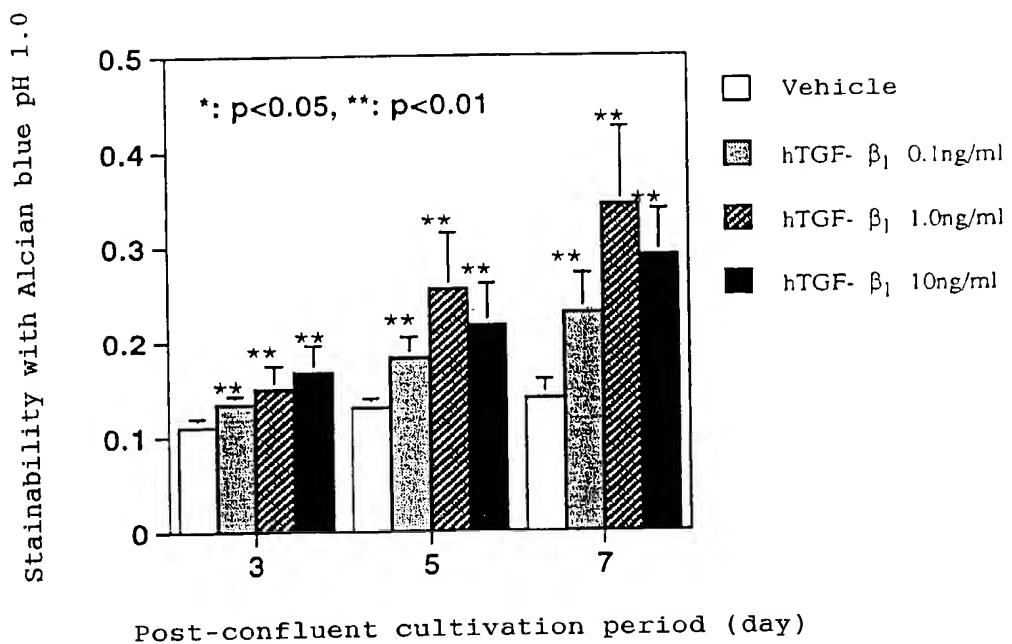
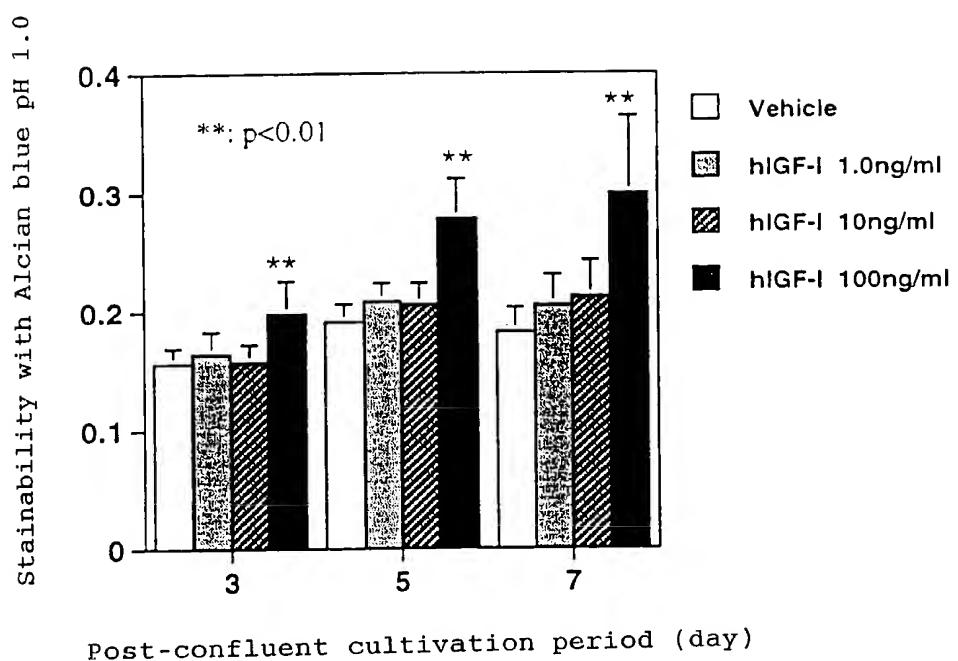


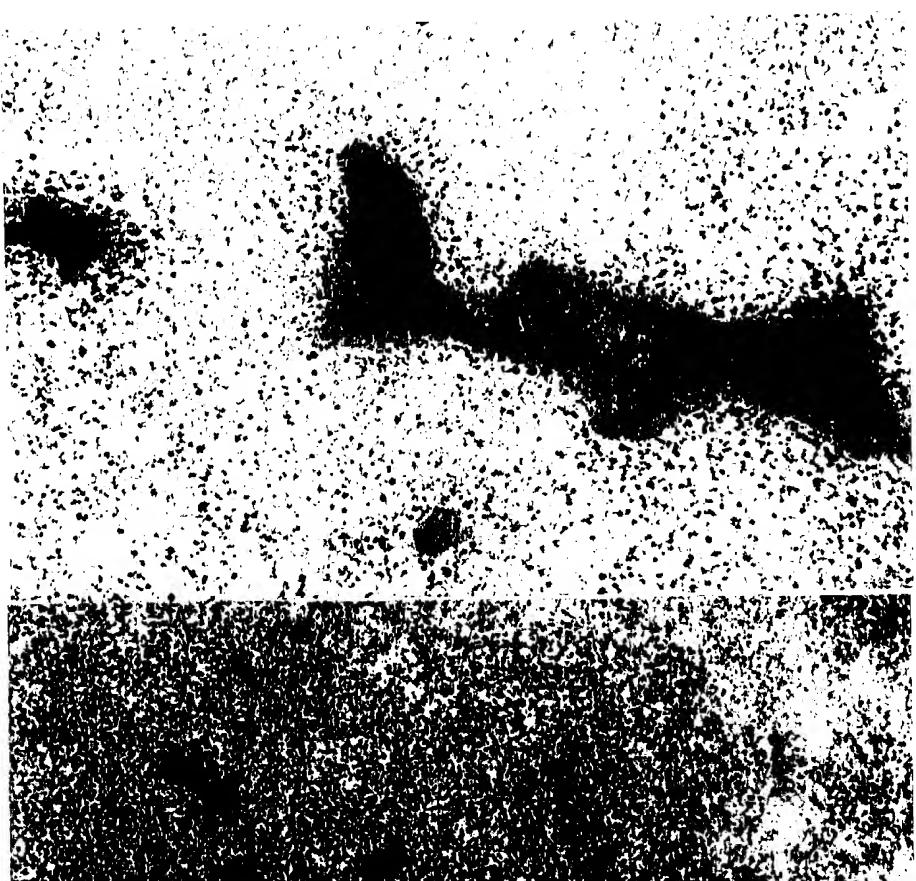
Fig. 12



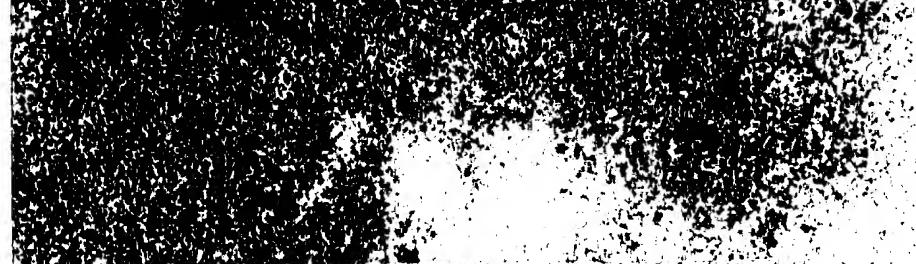
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Fig. 13

a



b



c



Fig. 14

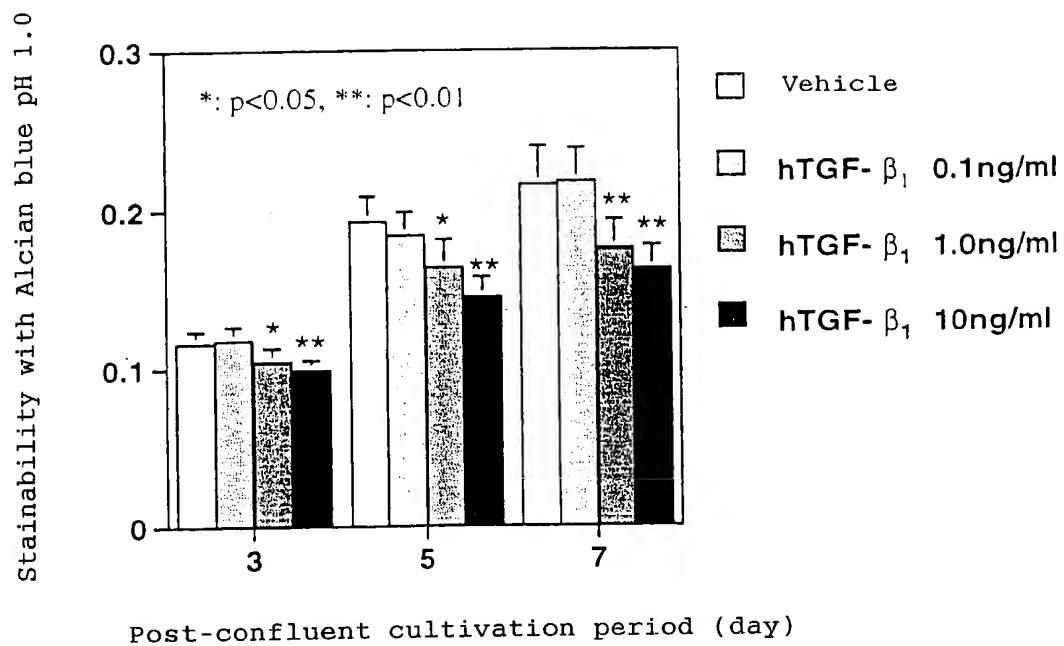


Fig. 15

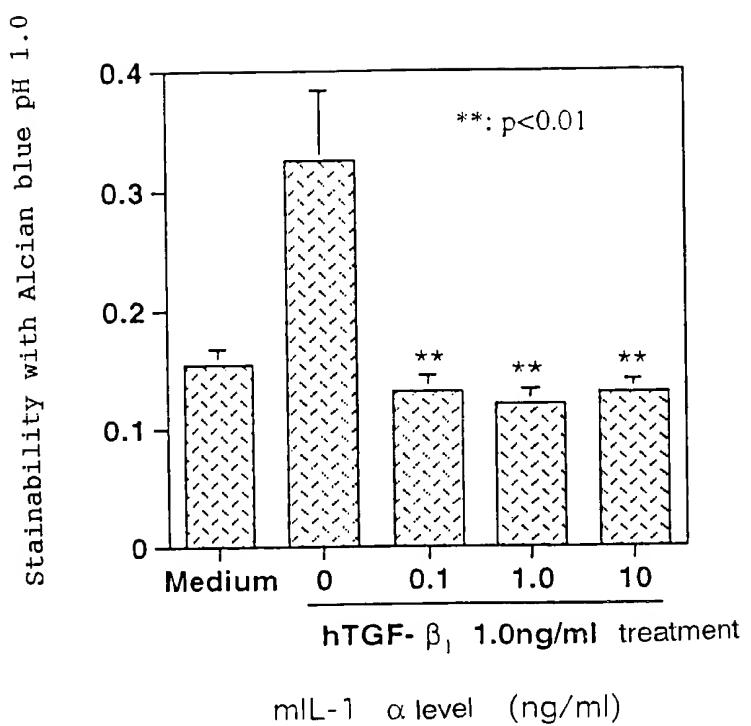


Fig. 16

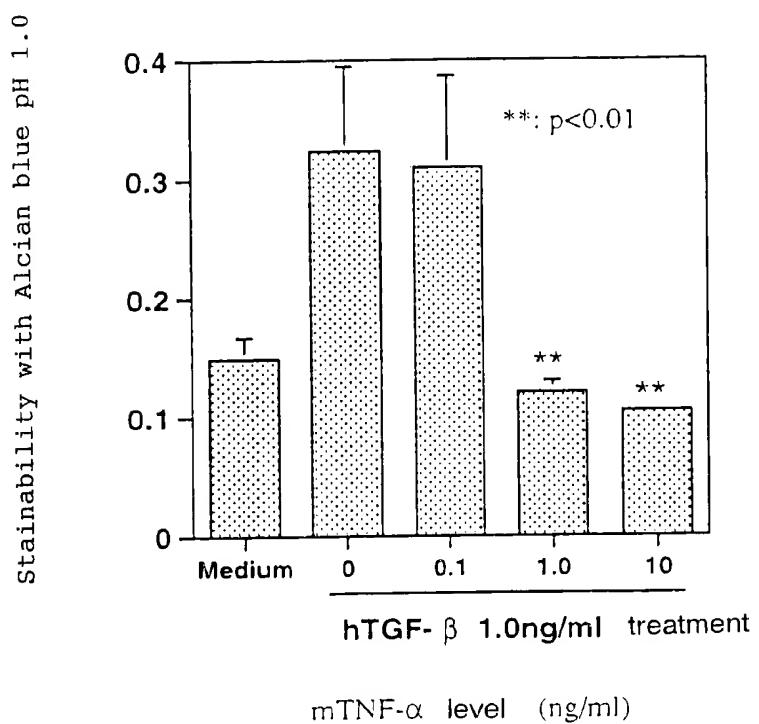


Fig. 17

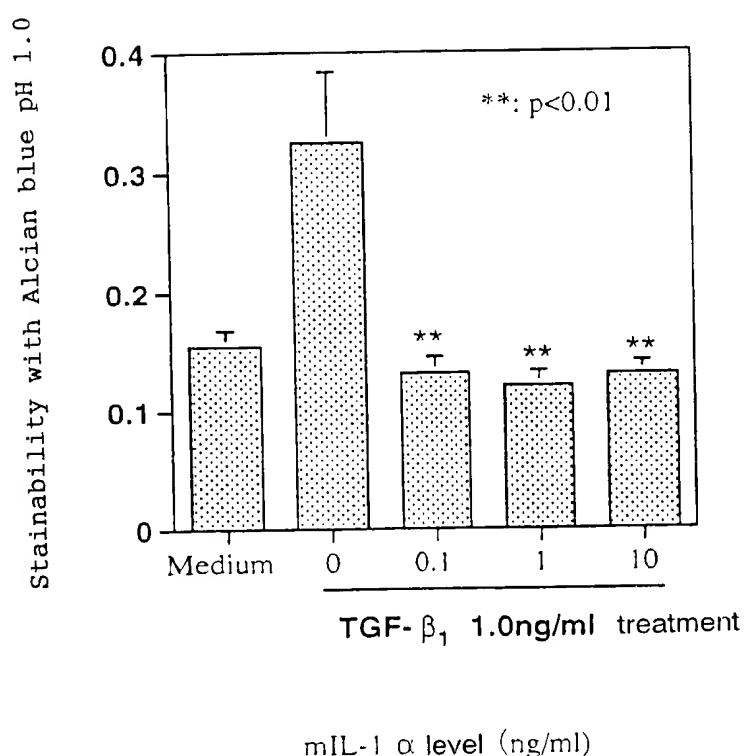
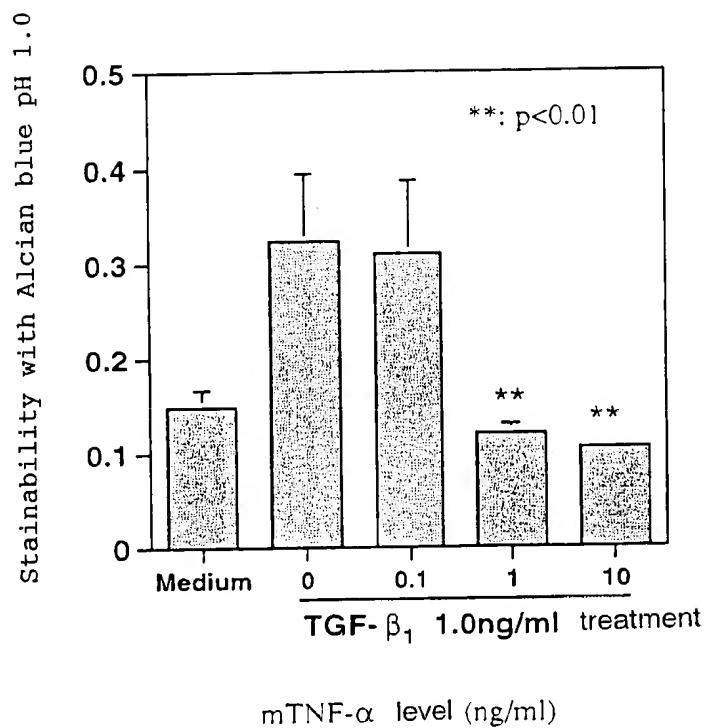


Fig. 18



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Fig. 19

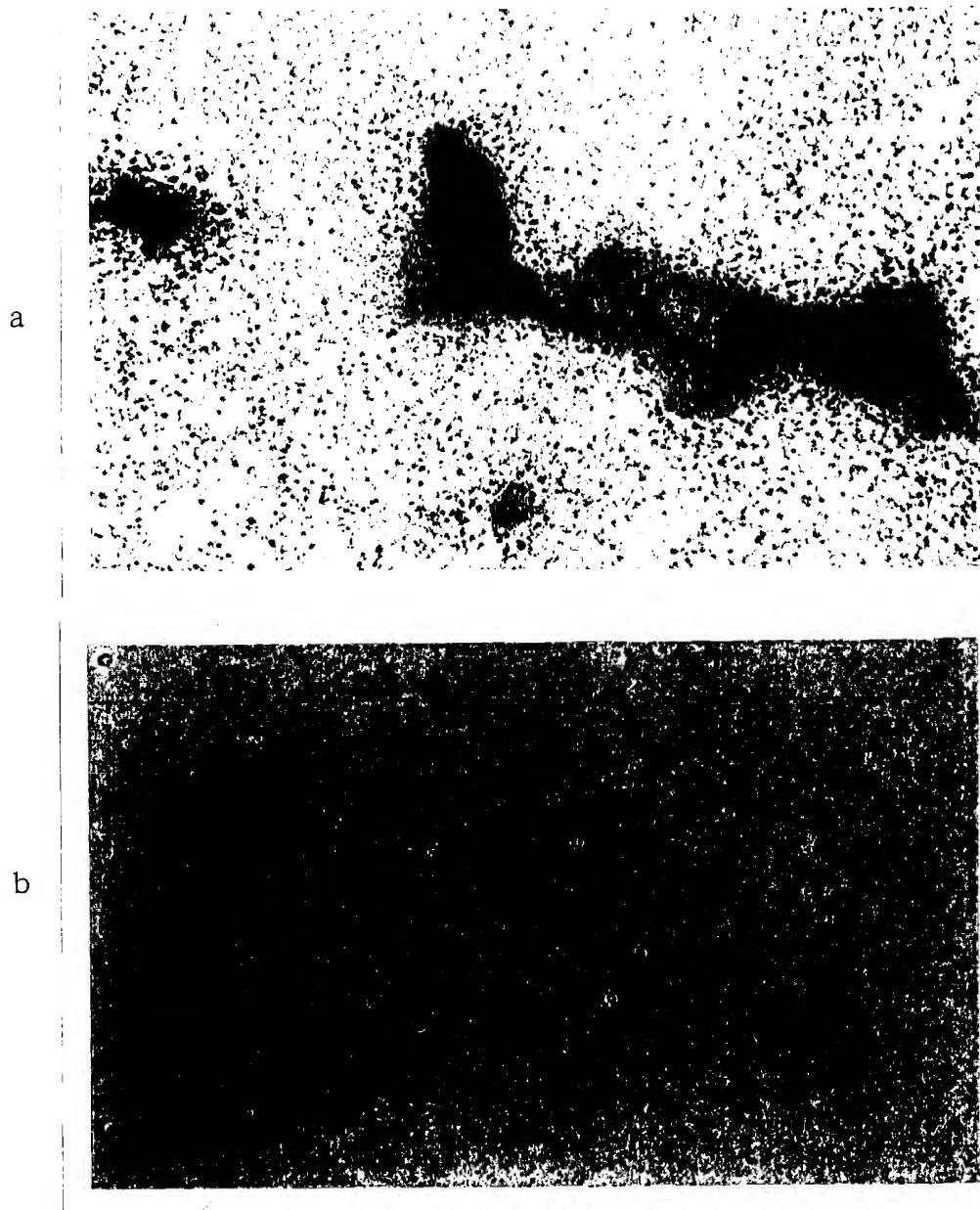


Fig. 20

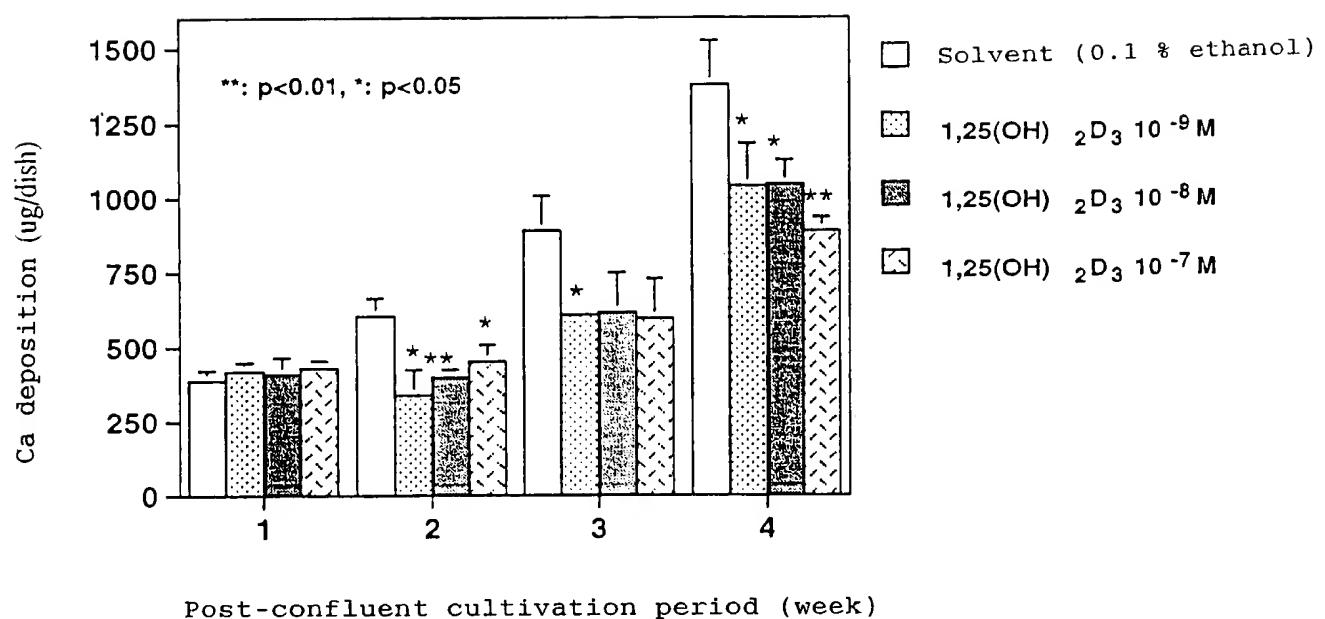
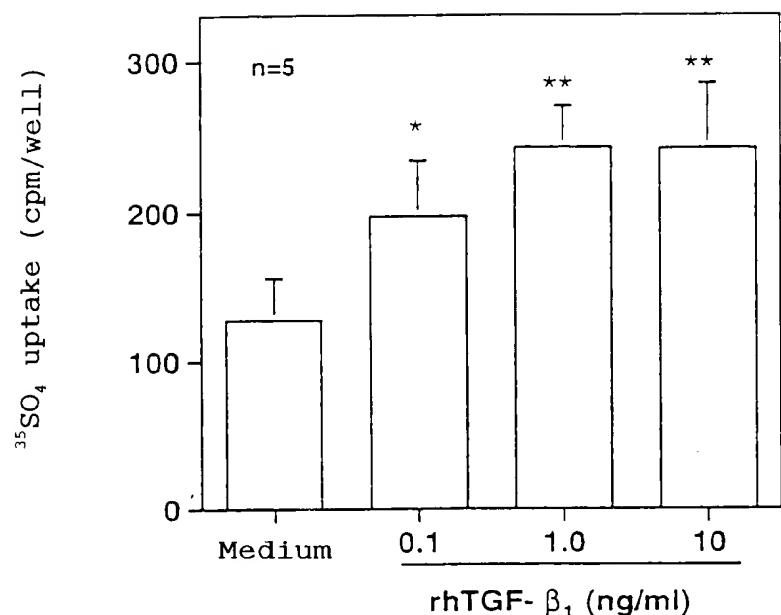


Fig. 21



*: p<0.05, **: p<0.01 vs. medium
(Dunnet's multiple comparison)